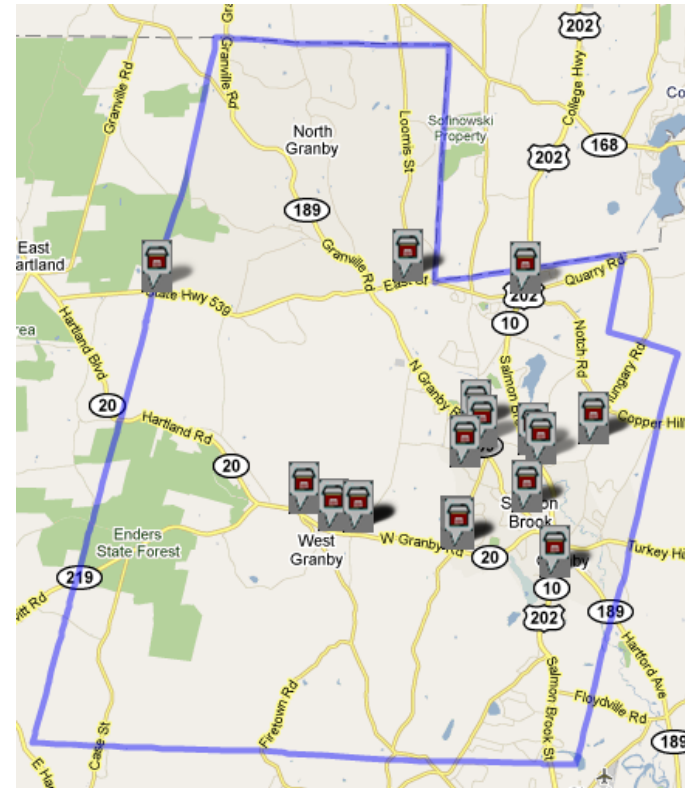


A Google Maps Application for the Connecticut Trust for Historic Preservation's Barn Survey



Dr. John Harmon, Professor Emeritus, CCSU Geography
GIS Day Nov. 17, 2010

CT Circuit Rider Program | Historic Properties Exchange | Restoration Services Directory | Contact Us

QUICK search GO Thursday, October 21 2010

The Connecticut Trust for Historic Preservation

- Get Answers
- Find a Professional
- Rescue a Building
- Seek Grants and Loans
- Explore Preservation
- Support the Trust

The Connecticut Trust is now accepting pre-applications for the 2011 BARNS GRANT. Pre-applications will be reviewed the first Monday of each month. The Trust will notify those applicants who will be asked to go forward with a full application by January 1, 2011. The grants will be awarded to...

In Focus

Preservation Opportunities 2010
What are the opportunities for historic preservation this year? What great buildings are available for reuse, what new ideas or tools are available for preservationists, what challenges are waiting to awaken our ingenuity?
[more >>](#)

Weatherization Guide for Older and Historic Buildings
The National Trust for Historic Preservation has launched an online guide offering homeowners a one-stop resource with the latest information about how to make their home more energy efficient and comfortable.
[more >>](#)

Buildings of Connecticut
Buildings of Connecticut is a statewide architectural guidebook which will focus on a wide range of periods and building types, as well as landscape and engineering sites that...

Field Data Collection



Web Data Entry

Historic Barns of Connecticut

A CONNECTICUT TRUST FOR HISTORIC PRESERVATION PROJECT

SEARCH»

About the Connecticut Barn

Barn Survey

Submit Your Data

Resources

Contact



You can tell us about historic barns in your area by filling this form out below

name & location

Common Name

Historic Name

address

House Number

Street

City

Village

ownership

Owners

Ownership

submission information

Your Name

Email

Field Notes

photos

file

view

<input type="text"/>	<input type="button" value="Browse...."/>	<input type="text"/>
<input type="text"/>	<input type="button" value="Browse...."/>	<input type="text"/>
<input type="text"/>	<input type="button" value="Browse...."/>	<input type="text"/>
<input type="text"/>	<input type="button" value="Browse...."/>	<input type="text"/>

Town-Based List Interface

Historic Barns of Connecticut

A CONNECTICUT TRUST FOR HISTORIC PRESERVATION PROJECT

SEARCH»


About the Connecticut Barn

Barn Survey

Submit Your Data


Resources


Contact





Your search for , **Andover** generated 31 results:


1-10 of 31 [Next »](#)


**210 Bear Swamp Road, Andover**


**35 Bear Swamp Road, Andover**


**36 Bear Swamp Road, Andover**


**45 Bear Swamp Road, Andover**

**84 Bear Swamp Road, Andover**

**162 Boston Hill Road, Andover**

**200 Hebron Road (Rte 316), Andover**

**14 Hendee Road, Andover**

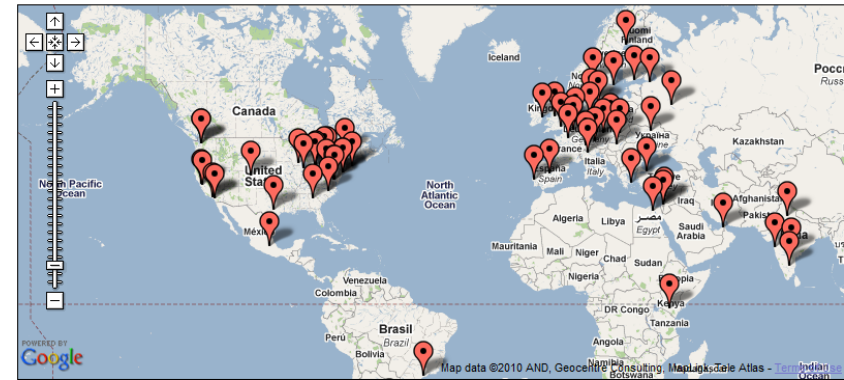
**160 Hendee Road, Andover**

This Part is for the Techies

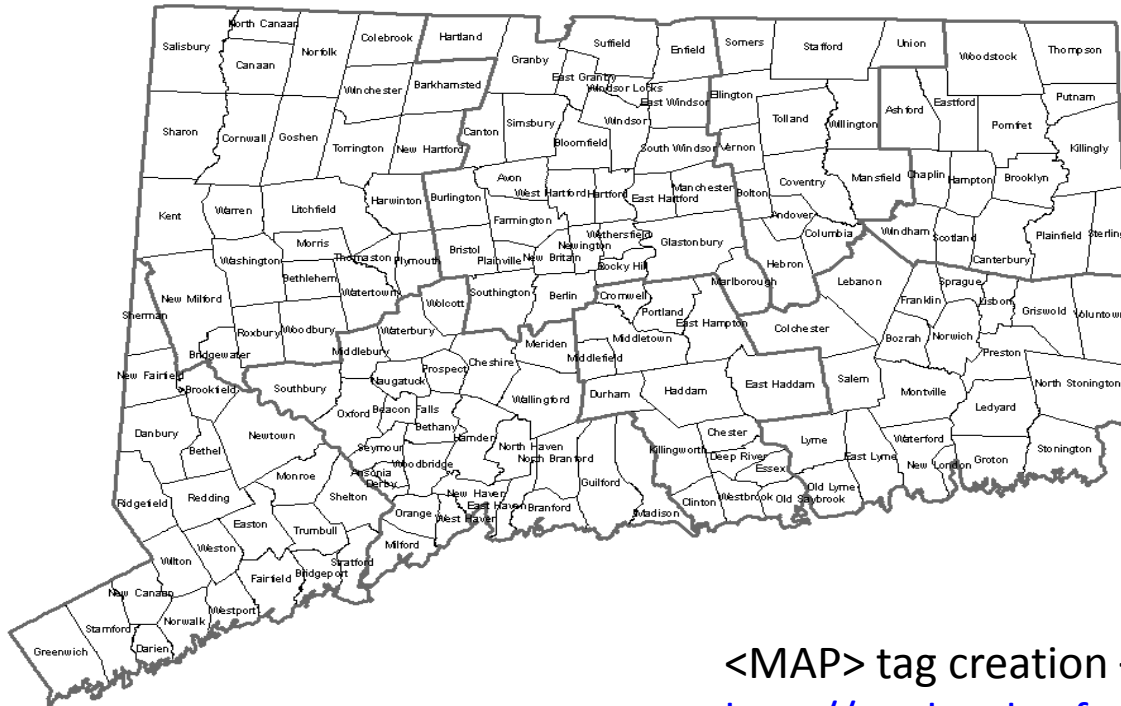
- Free Google Maps Application Programming Interface (API)
- Java-enabled Hypertext Markup Language (HTML)
- Allows access to Google Maps cached maps and images to place your information on top of.



Google offices



Entry through <MAP> Tag



<MAP> tag creation – GeoHtml from
<http://geohtml.software.informer.com/>


```
<MAP NAME="WhiteGIFMap">
```

```
<AREA SHAPE="POLY" ID = "Woodstock" HREF = " http://gis1.students.ccsu.edu/CTTrustBarns/Woodstock.htm" ALT = "Woodstock  
Barns" COORDS="782,76, 846,72, 862,137, 787,140, 782,76">
```

Town Maps

Historic Barns of Connecticut

A CONNECTICUT TRUST FOR HISTORIC PRESERVATION PROJECT

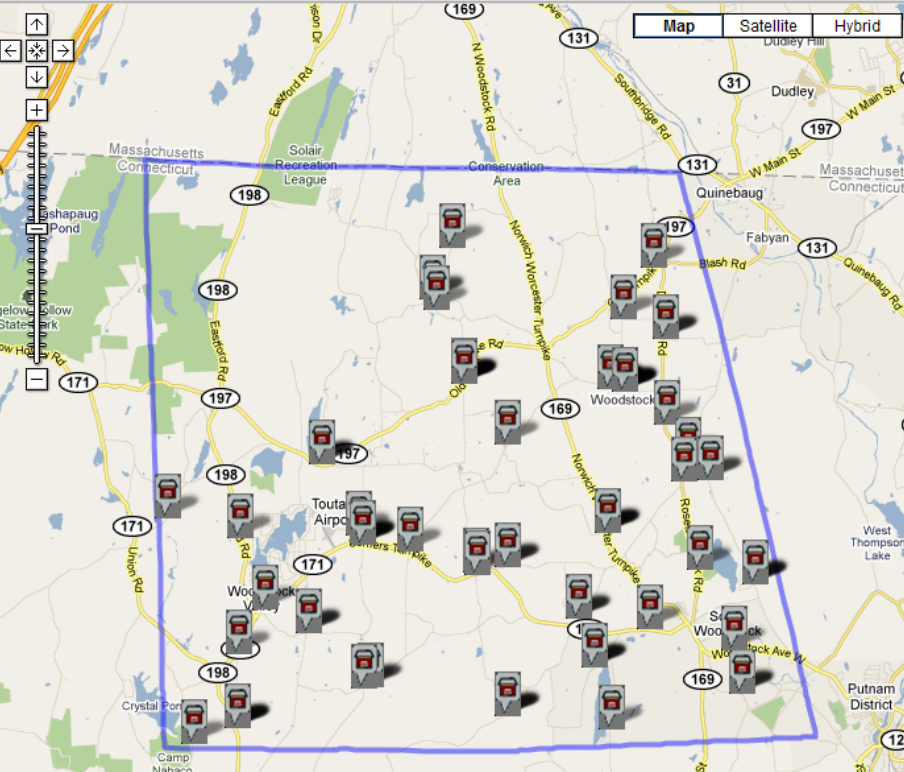


Funded by the Connecticut Commission on Culture and Tourism

Map

Satellite

Hybrid



0 Barber Road Woodstock

0 Barber Road Woodstock

0 Barber Road Woodstock

0 Brockway Road Woodstock

0 Bull Hill Road Woodstock

0 Bull Hill Road Woodstock

0 Bungee Road Woodstock

0 Butts Road Woodstock

0 Butts Road Woodstock

0 Butts Road Woodstock

0 Center Cemetery Rd Woodstock

0 Center Road Woodstock

0 Center Road Woodstock

0 Center Road Woodstock

0 Center Road Woodstock

0 Center Road Woodstock

0 Center Road Woodstock

0 Chandler School Road Woodstock

0 Coatney Hill Road Woodstock

0 Crystal Pond Road Woodstock

137 Dugg Hill Rd Woodstock

0 Dugg Hill Road Woodstock

0 Dugg Hill Road Woodstock

0 Dugg Hill Road Woodstock

0 Dugg Hill Road Woodstock

0 Dugg Hill Road Woodstock

0 Dugg Hill Road Woodstock

0 East Quassit Road Woodstock

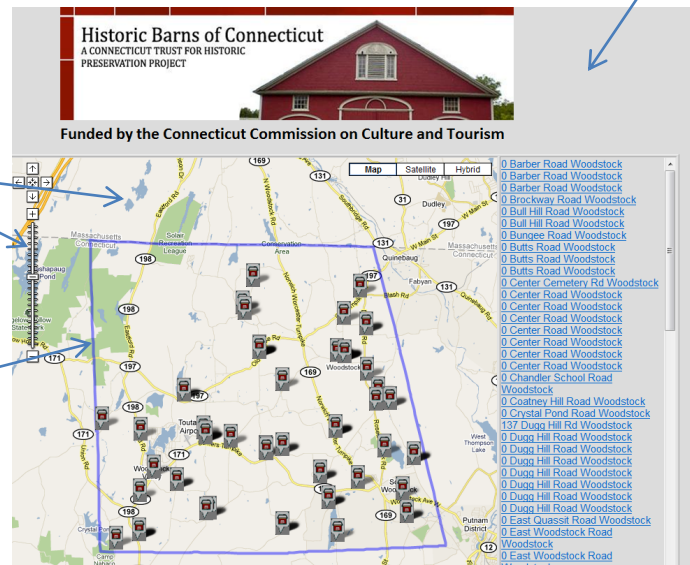
0 East Woodstock Road Woodstock

0 East Woodstock Road Woodstock

Again for the Techies

Map and tools are pulled from a Google server, centered where you said it should be and zoomed to the level you set

Finally it draws the outline of the town in blue using coordinates stored in an XML file in the folder.



The basic html page with a scrolling sidebar (some towns have lots of barns) and the CT Trust image is loaded into your browser

The Java script reads through a text file that contains all the information about each barn including its latitude and longitude. It places a marker at the right location and loads the side bar with the barns' locations sorted alphanumerically by address.

Access data page for the barn from the CT Trust's server

Individual Barns

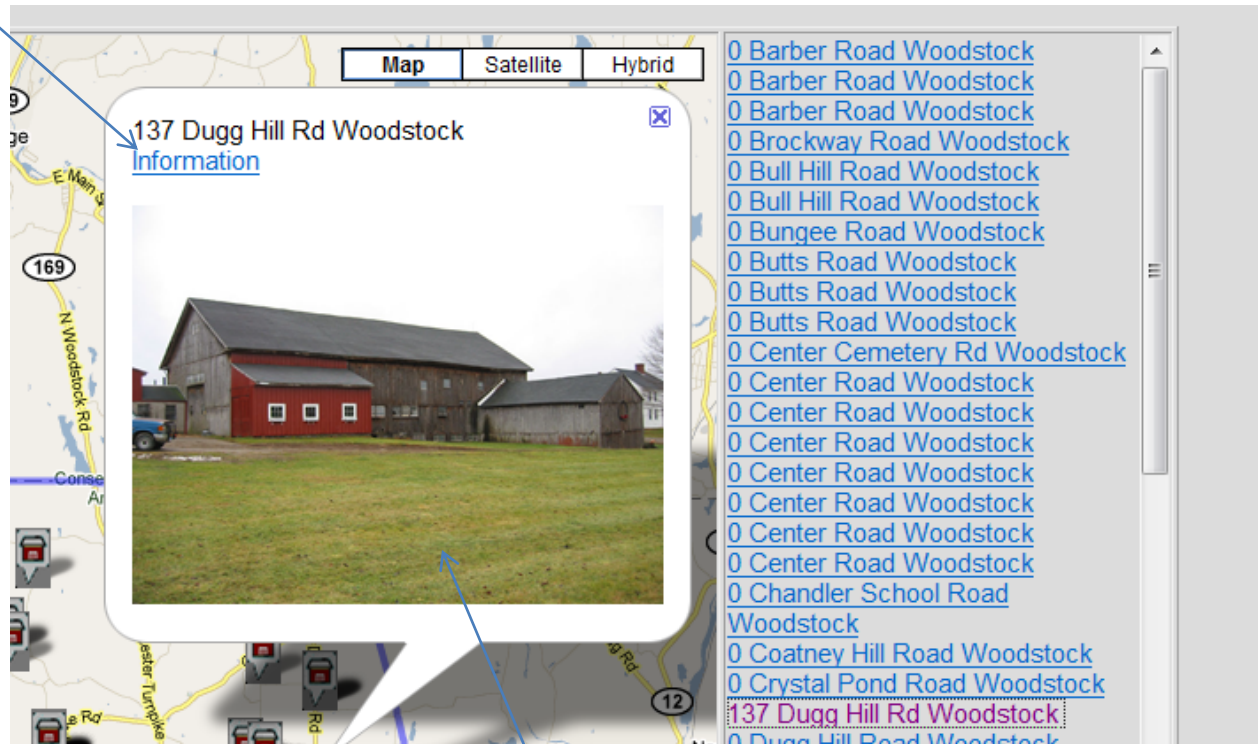


Image served from CT Trust's server

Data Page from Trust's Server

Historic Barns of Connecticut A CONNECTICUT TRUST FOR HISTORIC PRESERVATION PROJECT

 [SEARCH»](#)[About the Connecticut Barn](#)[Barn Survey](#)[Submit Your Data](#)[Resources](#)[Contact](#)[Print](#)[Overview](#)[Use & Accessibility](#)[Environment](#)[Typology & Materials](#)[History](#)[Photos](#)

Building Name (Common)

Peckham

Address

137 Dugg Hill Rd
[Woodstock](#)



Typology

- [New England Bank](#)

Historic Significance

This is an extremely well-preserved example of a mid-19th century barn. It has many original features including a slaughter wheel (with ropes and hooks still in place), a wooden hoist, and an interior silo (most likely a later addition). It is still being used in an active commercial farm. The farm is currently being run by the seventh generation of the same family to work this land. This barn is #84 on the Old Sturbridge address.village Survey.

Keeping it Current

- A text file data dump of the database
- Geocoding the barn addresses (determining latitude and longitude)
- Output is an Excel spreadsheet
- Python script reads through the spreadsheet and produces for each town:
 - A new text file containing all the barns that were located during geocoding – around 80%)
 - A new html file containing the Java script and html needed for displaying the map
 - A new html file containing information about the barns that could not be located to be placed on the map.
- The entire set of $3 \times 169 = 507$ new files is written out with each update, replacing the old files.
- The XML containing the coordinates of the town's boundary does not change.

So you would like to do this yourself....

- You need a computer that is web-enabled, i.e. that other computers on the web can see and get data from
- You need to get your own Google Map API key – will work for that folder and all sub-folders
 - <http://code.google.com/apis/maps/signup.html>
- Get the basic Java and Html code from this Google Maps tutorial site
 - <http://econym.org.uk/gmap/>
- Storing data in a text file (Example 15) is a LOT EASIER than storing and accessing through XML data (Example 3)